

A Twentieth Century Tour of Categorical Data Analysis

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Abstract

Since Karl Pearson's introduction of the chi-squared goodness-of-fit test in 1900, the development of methodology for categorical data analysis (CDA) has seen significant contributions from many historically important figures in statistics who are not necessarily readily identified with CDA. These include R. A. Fisher, Jerzy Neyman, G. Udny Yule, and William Cochran. This seminar presents a non-technical chronological survey of the development of the basic methods of CDA since 1900. It focuses on the contributions of these and other statisticians who introduced methods such as the odds ratio, tests and confidence intervals about proportions, logistic regression, probit models, loglinear models, and Bayesian approaches for CDA.